

## **ELECTRONIC INFORMATION DISCLOSURE STATEMENT**

TRADE ME PROCESSION v18

Stylesheet Version v18.0

Title of Invention

Channel-Selective Blanking for a Medical Device System

Application Number:

10/687133

Confirmation Number:

8256

First Named Applicant:

Mark Frei

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Attorney Docket Number: 011738.00140

Art Unit:

3762

Examiner:

**Unassigned Unassigned** 

Search string:

( 4825870 or 4967746 or 4974589 ).pn.

<u>Certification:</u> This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

#### **US Patent Documents**

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
OF	1	4825870	1989-05-02	Mann			
CF	2	4967746	1990-11-02	Vandergriff	5 74		
CF	3	4974589	1990-12-04	Sholder			

### Signature

Examiner Name	Date
(Lat)	04-05-2006



PTO/SB/08A (10-01)

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Substitute for fo	om 1449A/PTO		Complete if Known			
INFORM	TATION DI	SCLOSURE	Application Number	10/687,133		
STATEMENT BY APPLICANT			Filing Date	October 15, 2003		
			First Named Inventor	Frei		
			Group Art Unit	3736		
(use as many sheets as necessary)			Examiner Name	Unassigned		
Sheet	of	1	Attorney Docket Number	011738.00140		

U.S. PATENT DOCUMENTS							
Examiner	Cite	Document Number	Publication Data	Name of Patentee of Applicant of Cited Document	Pages, Columns, Lines, Where Relevant		
tritials *	No.1	Number - Kind Code <sup>2</sup> (il known)	MM-DU-YYYY	Chied Document	Passages or Relevant Figures Appear		

FOREIGN PATENT DOCUMENTS							
		Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines, Where Relevant		
Examiner Initials*	Cite No. <sup>1</sup>	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear	T°	
CR		EP 0562 237 A1	09/29/1993		,		

	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS						
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²				

Examiner Signature	Wat	Date Considered	04-05-06

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<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional) . <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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SUBSTITUTE for form 1449A/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet 1 of 4

E.M. DE.CO.

Complete If Known					
Application Number	10/687,133				
Filing Date	October 15, 2003				
First Named Inventor	Mark G. Frei				
Art Unit	3736				
Examiner Name	TBD				
Attorney Docket Number	011738.00140				

U.S. PATENT DOCUMENTS							
Examiner Initials *	Cite No.1	Document Number  Number - Kind Code <sup>2</sup> (if known)	Issue/Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pagas, Columns, Lines, Where Relevas Passages or Relevant Figures Appear		
CF	<del> </del>	US- 3522811	08/04/1970	Schwartz et al.			
<u>CF</u>	<del> </del>	US- 3850161	11/26/1974	Saul Liss			
	<b></b>	US- 3863625	02/04/1975	Viglione et al.			
	<u> </u>	US- 3967616	07/06/1976	Sidney A. Ross			
		US- 3993046	11/23/1976	Femandez et al.			
		US- 4019518	04/26/1977	Maurer et al.			
		US- 4038536	07/26/1977	Paul L. Feintuch			
+-		US- 4295474	10/20/1981	Robert E. Fischell			
→—		US- 4373527	2/15/1983	Robert E. Fischell			
+	<b> </b>	US- 4417592	11/29/1983	John E. Roy			
+		US- 4566464	01/28/1986	Piconne et al.			
	<del>                                     </del>	US- 4581758	04/08/1986	Coker et al.			
<del>/</del>		US- 4610259	09/09/1986	Cohen et al.			
<del></del>	<del>                                     </del>	US- 4702254	10/27/1987	Jacob Zabara			
	├	US- 4944299	07/31/1990	Sergiu Sulvian			
<del> </del>	<b> </b>	US- 5311869	05/19/1992	Nappholz et al.			
<del> </del>	<del>                                     </del>	US- 5269303	12/14/1993	Wernicke et al.			
<b>}</b>	<u> </u>	US- 5299569	04/05/1994	Wernicke et al.			
<b>├</b>		US- 5299309 US- 5311876	05/17/1994	Olsen et al.			
<del>                                     </del>		US- 5335657	08/09/1994	Terry Jr. et al.			
<del>                                     </del>	<del>                                     </del>		10/24/2002	Fischell et al.			
<del> </del>		US- 6473639	11/12/2002	Kirkpatrick et al.			
<del> </del>		US- 6480743	05/06/2003	Osorio et al.			
	ļ	US- 6560486	05/08/2003	Ficshell et al.			
<del>                                     </del>		US- 6591138	07/08/2003	Pless et al.			
₩	ļ	US- 6597954		Fischell et al.			
<u>\\                                   </u>	<u> </u>	US- 6647296	11/11/2003				
<u>C</u> F		US- 2002/0013614	01/31/2002	David L. Thompson			

Examiner Signature	()	a71	Date Considered	04-05-06

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Complete if Known Substitute for form 1449A/PTO 10/687,133 Application Number INFORMATION DISCLOSURE October 15, 2003 Filing Date STATEMENT BY APPLICANT First Named Inventor Mark G. Frei Art Unit 3736 (Use as many sheets as necessary) TBD Examiner Name 011738.00140 of Attorney Docket Number Sheet

			U.S. PATENT		
Examiner Initials *	Cito No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevan Passages or Relevant
		Number - Kind Code <sup>2</sup> (if known)			Figures Appear
CF_	<u> </u>	US- 5487754	01/30/1996	Snell et al.	
	<u> </u>	US- 5626145	05/06/1997	Clapp et al.	
		US- 5683422	11/04/1997	Mark T. Rise	
		US- 5713922	02/03/1998	Gary William King	
	1	US- 5713923	02/03/1998	Ward et al.	
		US -5716377	02/10/1998	Rise et al.	
		US- 5720770	02/24/1998	Nappholz et al.	
	1	US- 5743860	04/28/1998	Hively et al.	
$\top$	1	US- 5752976	05/19/1998	Ouffin et al.	
1		US- 5792186	08/11/1998	Mark T. Rise	
$\top$	i i	US- 5978702	11/02/1999	Ward et al.	
	<b>†</b>	US- 5995868	11/30/1999	Dorfmeister et al.	
<del>                                     </del>	1	US- 6016449	01/18/2000	Fischell et al.	
	1	US- 6018682	01/25/2000	Mark T. Rise	
+	t	US- 6066163	05/23/2000	Michael Sasha John	
+	<b></b>	US- 6083248	07/04/2000	David L. Thompson	
1		US- 6094598	7/25/2000	Eisberry et al.	
+	<b>.</b>	US- 6117066	09/12/2000	Abrams et al.	
+		US- 6128537	10/03/2000	Mark T. Rise	
-	<del>                                     </del>	US- 6128538	10/03/2000	Fischell et al.	
+	<del> </del>	US- 6134474	10/17/2000	Fischell et al.	
<del>                                     </del>	1	US-6200265	03/13/2001	Walsh et al.	
+	<del> </del>	US- 6224549	05/01/2001	Win Van Drongelen	
+	<del>                                     </del>	US- 6227203	05/08/2001	Rise et al.	
+	<del>                                     </del>	US- 8230049	05/08/2001	Fischell et al.	
+	<del>                                     </del>	US- 6337997	01/08/2002	Mark T. Rise	
+	1	US- 6341236	01/22/2002	Osorio et al.	
+	<del>                                     </del>	US- 8353754	03/05/2002	Fischell et al.	
+-	<del> </del>	US- 6356784	03/12/2002	Lozano et al.	-
+	<del> </del>	US- 6360122	03/19/2002	Fischell et al.	
+	<del>                                     </del>	US- 6366813	04/02/2002	Daniel J. Di Lorenzo	
<del></del>	<del> </del>	US- 8374140	04/16/2002	Mark T. Rise	
<del></del>		US- 6427086	07/30/2002	Fischell et al.	· W
+		US- 6459936	10/01/2002	Fischell et al.	
₩	1	US- 6466822	10/15/2002	Benjamin D. Pless	
A E	<del> </del>	US- 6473639	10/24/2002	Fischell et al.	

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Examiner Signature	$\square$	77	azr	Date Considered	04-05-06	•

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Substitute for form 1449B/PTO					Complete if Known			
				01 00UDE	Application Number	10/687,133		
				CLOSURE	Filing Date	October 15, 2003		
STATEMENT BY APPLICANT					First Named Inventor	Mark G. Frei		
					Art Unit	3736		
	(Use as ma	ny sheet	ts as	necessary)	Examiner Name	TBD		
Sheet	3	T	of	4	Attomey Docket Number	011738.00140		

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.  Alan V. Oppenheim & Ronald W. Schafer, Digital Signal Processing, Prentice-Hall, Inc., Englewood Cliffs, New Jersey, 1975, pg. 18-24.  Gotman J., & Gloor, P., "Automatic Recognition and Quantification of Linterictal Epileptic Activity in the Human Scalp EEG", Electroencephalography and Clinical Neurophysiology, 1976, 41:513-529.  B. Litt and J. Echauz, "Prediction of Epileptic Seizures", 1 The Lancet Neurology 22 May 2002  H. Qu & J. Gotman, "A Seizure Warning System For Long-term Epilepsy Monitoring", 45 Neurology 2250, 1995
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Epileptic Activity in the Human Scalp EEG", Electroencephalography and Clinical Neurophysiology, 1976, 41:513-529.  B. Litt and J. Echauz, "Prediction of Epileptic Seizures", 1 The Lancet Neurology 22 May 2002
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J. Gotman, "Automatic Recognition of Epileptic Seizures in the EEG", 54 Electroencephalography and Clinical Neurophysiology at 530-540, 1982
Lapkin et al., "The Electroencephalogram in Childhood Basilar Artery Migraine", 27Neurology 580-583, June 1977)
Murro et al., "Computerized Seizure Detection of Complex Partial Seizures", 79 Electroencephalography and Clinical Neurophysiology 330-333 (1991)
P. Rajna and C. Lona, "Sensory Stimulation for Inhibition of Epileptic Seizures", 30(2) Epilepsia 168-174, 1989
R.P. Lesser et al., "Brief Bursts of Pulse Stimulation Terminate Afterdischarges Caused by Cortical Stimulation", Neurology 53, December 1999
Webber, W.R.S. et al., "Automatic EEG Spike Detection: What Should the Computer Imitate", 87 Electroencephalography and Clinical Neurophysiology 330-333 (1993)
Grassberger, Peter et al., "Characterization of Strange Attractors" Vol. 50, No.5., The American Physical Society, January 31, 1983.

Examiner Signature	-a7	Date Considered	04-05-06

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute	for form 1441	B/PTO			Complete if Known			
					Application Number	10/687,133		
			SCLOSU	•	Filing Date	October 15, 2003		
STATEMENT BY APPLICANT					First Named Inventor	Mark G. Frei		
					Art Unit	3736		
	(Use as ma	ny sheets a	s necessary)		Examiner Name	TBD		
Sheet	4	of	4		Attorney Docket Number	011738.00140		

		NON PATENT LITERATURE DOCUMENTS	1		
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²		
CF		lasemidis, L. D. and Sackellares, J. C. "Chaos Theory and Epilepsy". The Neuroscientist, 2:118126, 1996. <retrieved citeseer.ist.psu.edu="" from="" http:="" iasemidis96chaos.html=""></retrieved>			
CF		Elger, Christian E., et al., "Short Communication: Seizure Prediction By Non- Linear Time Series Analysis of Brain Electrical Activity" European Journal of Neuroscience, Vol. 10, pgs. 786-789 (1998)			
		Gotman, J., "Setzure Recognition and Analysis", Montreal Neurological Institute and Deartment of Neurology and Neurosurgery, McGill University, Montreal, Quebec. H3A 2B4 (Canada)			
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CF		Osorio, Ivan, et al., "Real-Time Automated Detection and Quantitative Analysis of Seizures and Short-Term Prediction of Clinical Onset" Epilepsia, Vol. 39(6) pgs. 615-627, (1998)			
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

Complete if Known		
Application Number	10/687,133	
Filing Date	October 15, 2003	
First Named Inventor	Mark Frei	
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Examiner Name	Not assigned	
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	U.S. PATENT DOCUMENTS				
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		Number - Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	Cited Document	Passages or Relevant Figures Appear
CF		US-6,016,449	01/18/2000	Fischell, et al.	
CF		US- 6,366,813	04/02/2002	DiLorenzo	
		US-			
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		US-			

	FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or	Pages, Columns, Lines,	
	No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)		Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T⁵
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#### **INFORMATION DISCLOSURE** STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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Sheet	2	ا	f	2	

Complete if Known					
Application Number	10/687,133				
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NON PATENT LITERATURE DOCUMENTS								
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